

DTNA Solutions > Service Solutions > Thomas Built Bus
> TBB SS 293 Wiper Module TBB 61201552 replacement

TBB SS 293 Wiper Module TBB 61201552 replacement

Applicable Vehicles

HDX

Symptoms

61201552 has been replaced with either TBB 248062 or TBB 249465 replacement procedure.

Issue

Vender no longer suppling

Solution

TBBN248062 is for current production (76-way dash/chassis interface).

TBBN249465 is for the 2007 and older unit (102-way dash/chassis interface).

Labels :

Saf-T-Liner

Add tags

Attachments

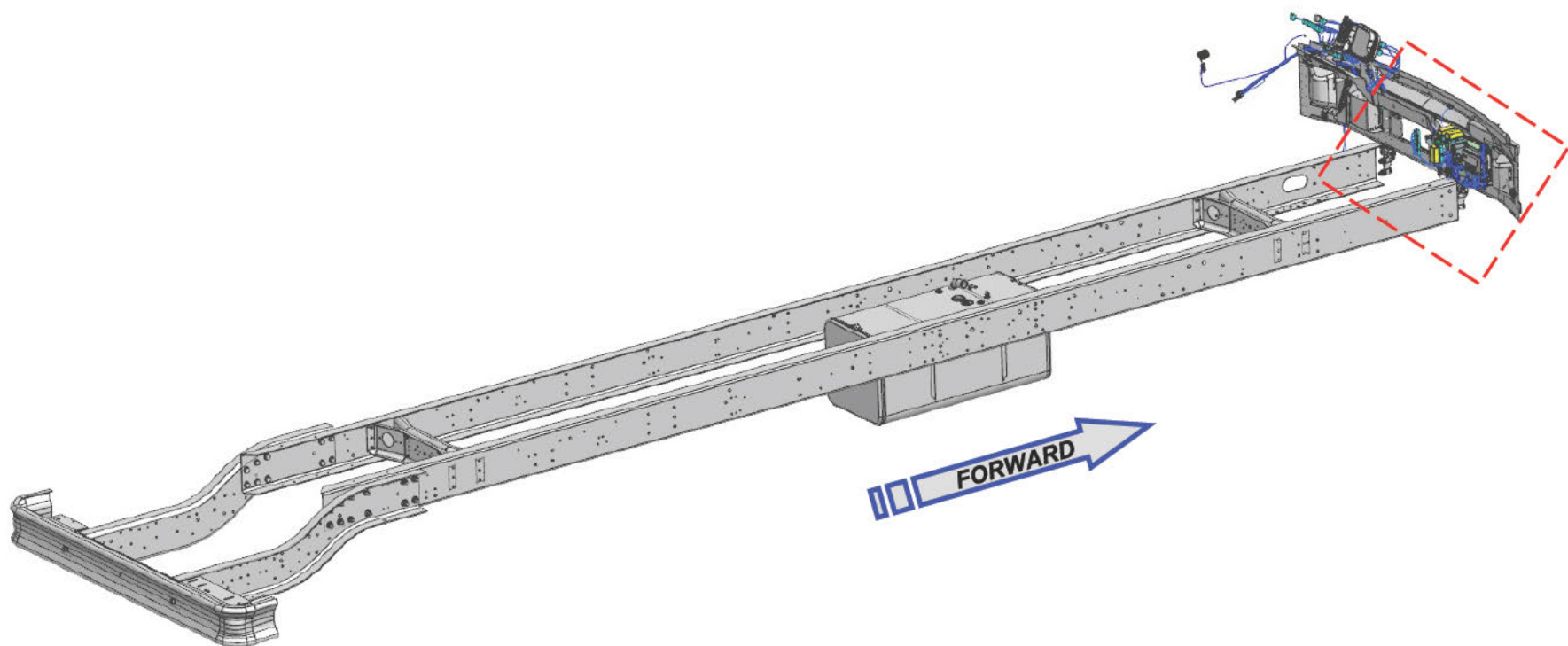




Comment

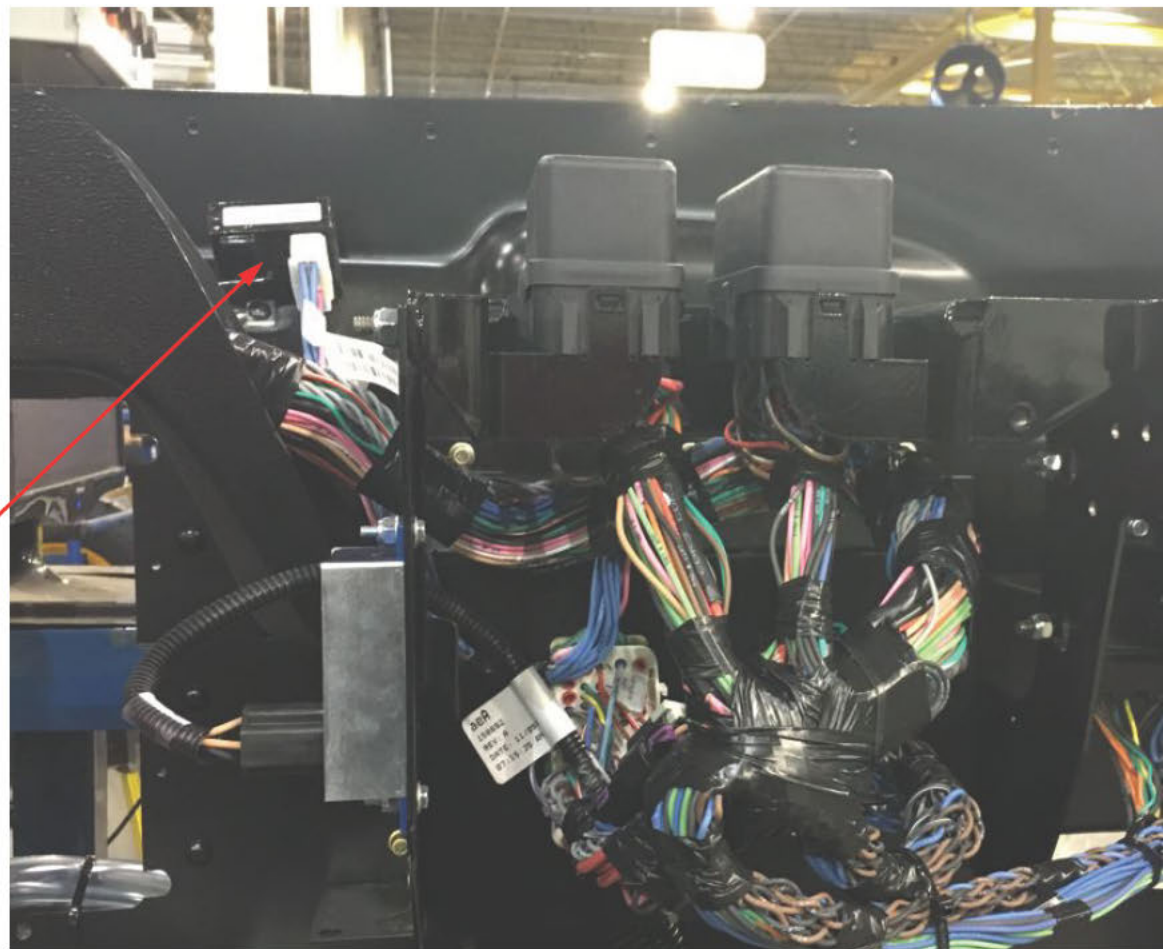
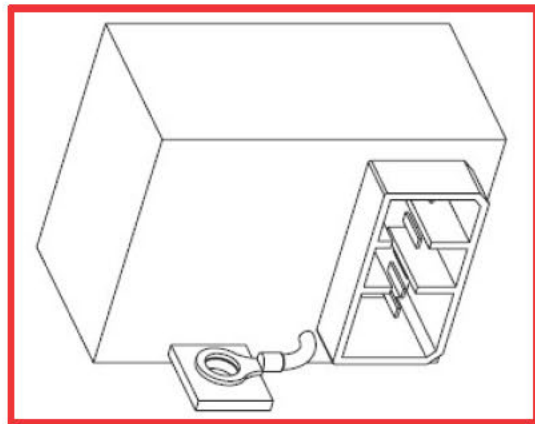


ITEM	TBB PART#	DTNA PART#	DESCRIPTION	USAGE	QTY
G01	248060	G66-37926	WRG-WIPER,SRVC,HDX	ALL	R
000	248061	A66-37940	HARN-WIPER,DASH,SRVC,HDX	ALL	1
001	248463	A66-39089	HARN-WIPER,CHAS,SRVC,HDX	ALL	1
200	61370802	23-11743-075	SCREW-CAP,HEX,1/4-20 UNC	ALL	1
300	61370348	TBB61370348	WASHER-FLAT,1/4 X 5/8 OD	ALL	1
400	61370050	23-13861-104	NUT-HEX,PT,1/4-20,C,CD,.288	ALL	1
500	61200508	23-09796-629	TIE WRAP,15.5",BLACK	ALL	1
600	248021	TBBN248021	LABEL-PDM,WIPER,RELAY,HDX	ALL	1



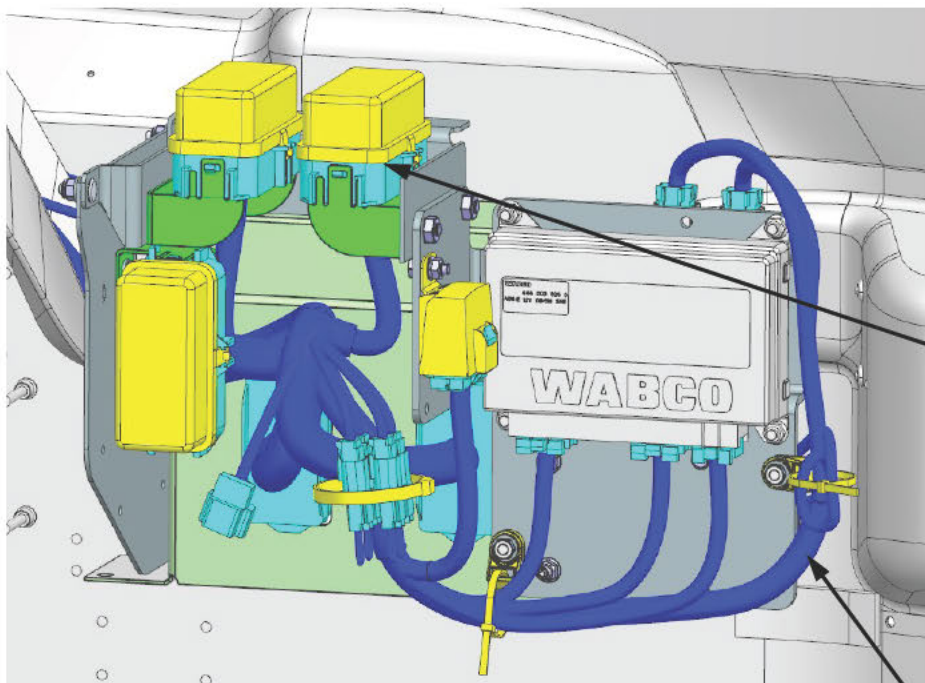
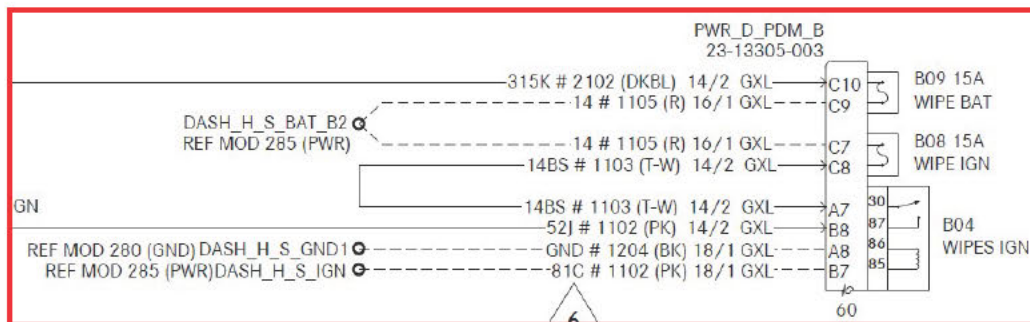
REMOVE WIPER DIODE BLOCK 61201552

1. LOCATE THE WIPER DIODE BLOCK.
2. UNSCREW MOUNTING TAB AND REMOVE IT FROM THE FRONTWALL.
3. DISCONNECT THE HARNESS FROM THE DIODE BLOCK.
4. TIE BREAKOUT HARNESS TO THE MAIN BUNDLE.
5. DISCARD WIPER DIODE BLOCK 61201552.

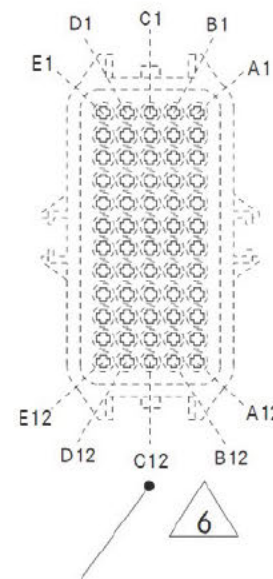


ADD ITEM 000 - 248061

1. ON **PWR_D_PDM_B**, REMOVE THE EXISTING CIRCUITS ON (PIN: A7, B8, C8, & C10). ON ITEM 000, LOCATE THE PROPER CIRCUIT# TO THAT CONNECTOR AND INSERT THE WIRE TERMINALS TO THE PROPER CAVITY. ENSURE TO REUSE THE SAME FUSES AND RELAY.
2. TAPE THE EXISTING UNUSED CIRCUIT TERMINALS BACK TO THE MAIN BUNDLE.



ID:	PWR_D_PDM_B
PN:	23-13305-003 REF
	SEALED CONNECTOR
CAV	CIR#
—	—
A7	14BS # 1103 (T-W)
B8	52J # 1102 (PK)
C8	14BS # 1103 (T-W)
C10	315K # 2102 (DKBL)



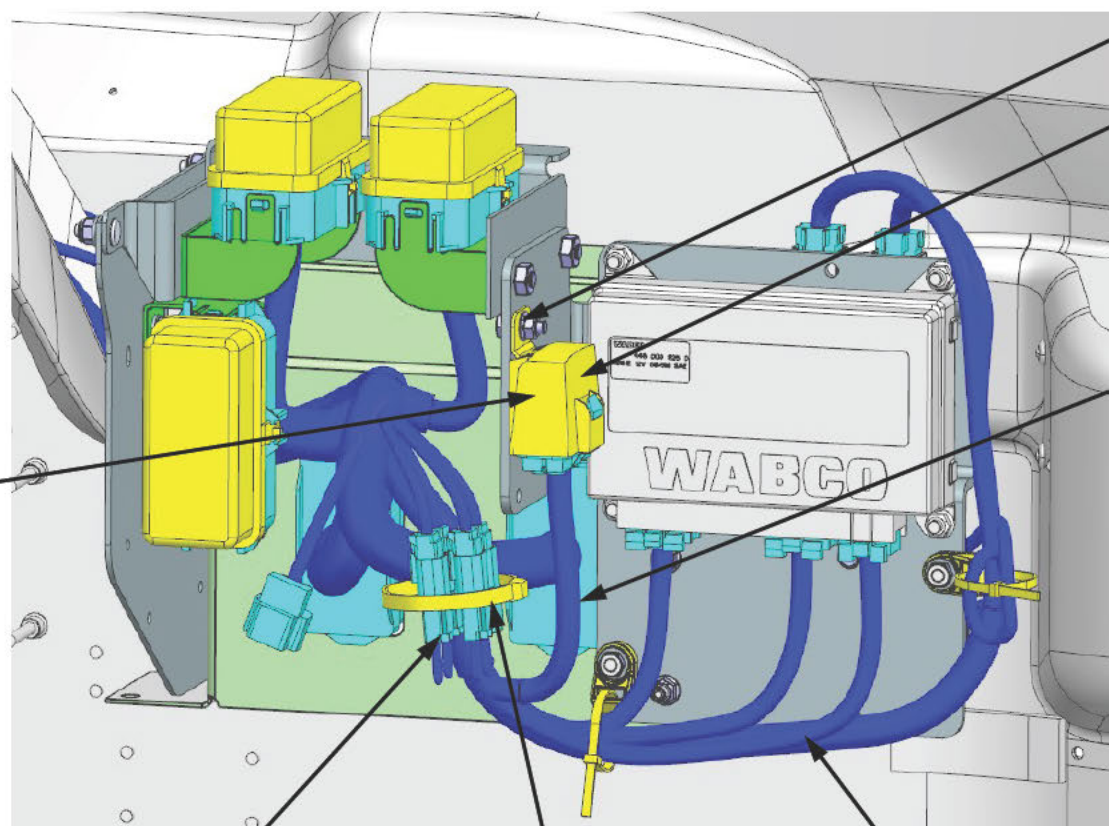
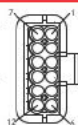
TBBN153142

ADD ITEM 000 - 248061

1. MOUNT **DASH_H_WPR_RLY_HLDR** TO THE PDM BRACKET AS SHOWN.
2. ROUTE AND ZIP TIE ITEM 000 TO THE MAIN BUNDLE.
3. ADD ITEM 600 TO THE RELAY HOLDER COVER.

ID:	DASH_H_WPR_RLY_HLDR
PN:	23-13305-027
	SEALED CONNECTOR
Add on:	23-13265-000 QTY: 2
	23-13432-027
	23-13432-327
	23-13432-331
	24-01805-015
CAV	CIR#

1	315L # 2102 (DKBL)
3	315L* # 2102 (DKBL)
4	315H # 2102 (DKBL)
6	315C # 2102 (DKBL)
7	315C # 2102 (DKBL)
8	315P # 2102 (DKBL)
9	GND # 1204 (BK)
10	315H* # 2102 (DKBL)
11	315C # 2102 (DKBL)
12	GND # 1204 (BK)



JUMPER DIODE CAPS

500

TBBN153142

200 300 400

600

000

ADD ITEM 000 - 248061

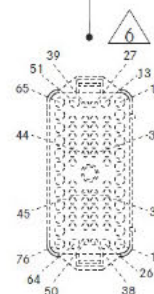
1. ON **DASH_H_HDLP_WPR_C2**, REMOVE THE EXISTING CIRCUITS ON (PIN: A, C, F, J, & K). ON ITEM 000, LOCATE THE PROPER CIRCUIT# TO THAT CONNECTOR AND INSERT THE WIRE TERMINALS TO THE PROPER CAVITY.
2. TAPE THE EXISTING UNUSED TERMINALS BACK TO THE MAIN BUNDLE.
3. ON **DASH_H_CHAS_BKD_B**, REMOVE THE EXISTING CIRCUITS ON (PIN: 40, 41, 42, 43, 44, 45, 52, & 53). ON ITEM 000, LOCATE THE PROPER CIRCUIT# TO THAT CONNECTOR AND INSERT THE WIRE TERMINALS TO THE PROPER CAVITY INCLUDING GND CIRCUIT TO PIN 72.
4. TAPE THE EXISTING UNUSED TERMINALS BACK TO THE MAIN BUNDLE.

ID:	DASH_H_HDLP_WPR_C2
PN:	23-13141-009 REF
CAV	CIR#
—	—
A	52J # 1102 (PK)
C	315P # 2102 (DKBL)
F	315K # 2102 (DKBL)
J	315L # 2102 (DKBL)
K	315H # 2102 (DKBL)

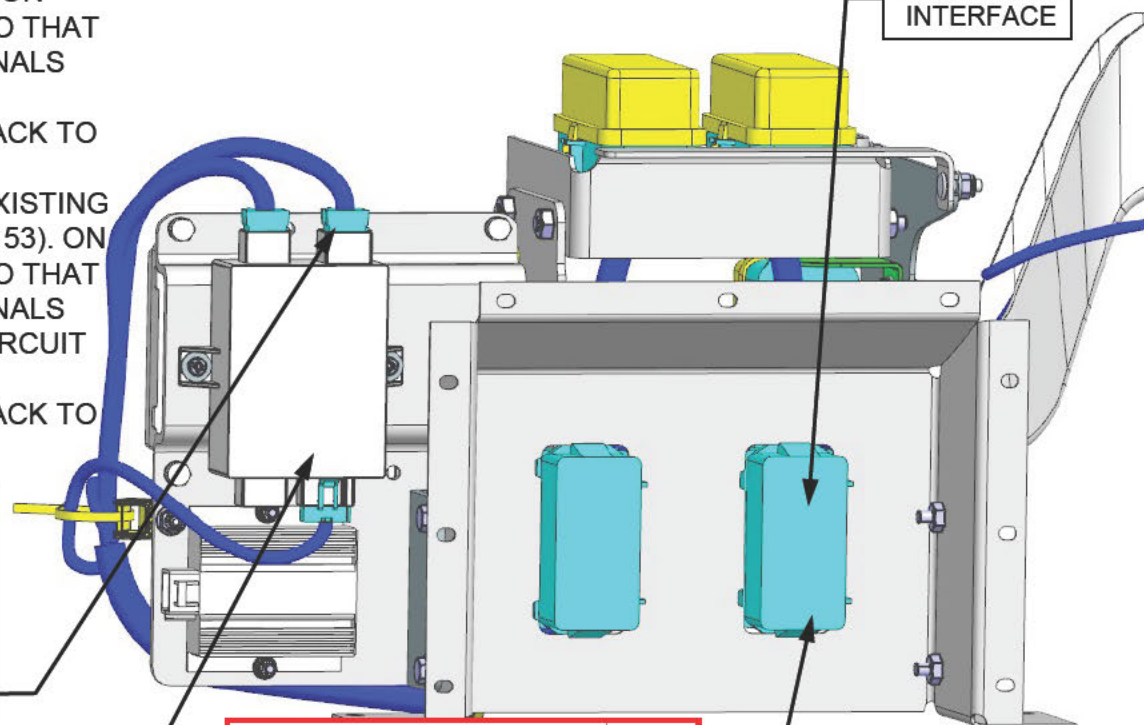


HEADLIGHT / WIPER
MODULE

ID:	DASH_H_CHAS_BKHD_B
PN:	23-13153-015 REF
	SEALED CONNECTOR
CAV	CIR#
—	—
40	315H # 2102 (DKBL)
41	315L # 2102 (DKBL)
42	315D # 2102 (DKBL)
43	315P # 2102 (DKBL)
44	315H* # 2102 (DKBL)
45	315L* # 2102 (DKBL)
52	315D # 2102 (DKBL)
53	315P # 2102 (DKBL)
72	GND # 1204 (BK)



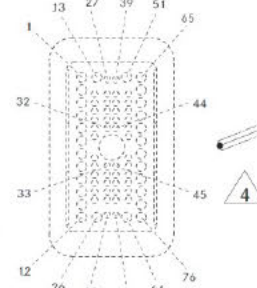
76 WAY DASH
INTERFACE



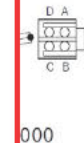
ADD ITEM 001 – 248463

1. ON **CHAS_H_DASH_BKD_B**, REMOVE THE EXISTING CIRCUITS ON (PIN: 40, 41, 42, 43, 44, 45, 52, & 53). ON ITEM 001, LOCATE THE PROPER CIRCUIT# TO THAT CONNECTOR AND INSERT THE WIRE TERMINALS TO THE PROPER CAVITY INCLUDING GND CIRCUIT TO PIN 72.
2. TAPE THE EXISTING UNUSED TERMINALS BACK TO THE MAIN BUNDLE.
3. REMOVE THE EXISTING CONNECTOR ON THE LEFT & RIGHT WIPER MOTOR. MATE THE NEW WIPER HARNESS BREAKOUT TO THE PROPER WIPER MOTOR.
3. ZIPTIE THE HARNESS TO THE MAIN BUNDLE.

ID:	CHAS_H_DASH_BKHD_B
PN:	23-13153-016 REF
SEALED CONNECTOR	
CAV	CIR#
—	—
40	315H # 2102 (DKBL)
41	315L # 2102 (DKBL)
42	315D # 2102 (DKBL)
43	315P # 2102 (DKBL)
44	315H* # 2102 (DKBL)
45	315L* # 2102 (DKBL)
52	315D # 2102 (DKBL)
53	315P # 2102 (DKBL)
72	GND # 1204 (BK)



ID:	CHAS_H_LH_WPRMTR
PN:	23-13146-402
SEALED CONNECTOR	
Add on:	24-01805-015
CAV	CIR#
—	—
A	315H # 2102 (DKBL)
B	315L # 2102 (DKBL)
C	315D # 2102 (DKBL)
D	315P # 2102 (DKBL)



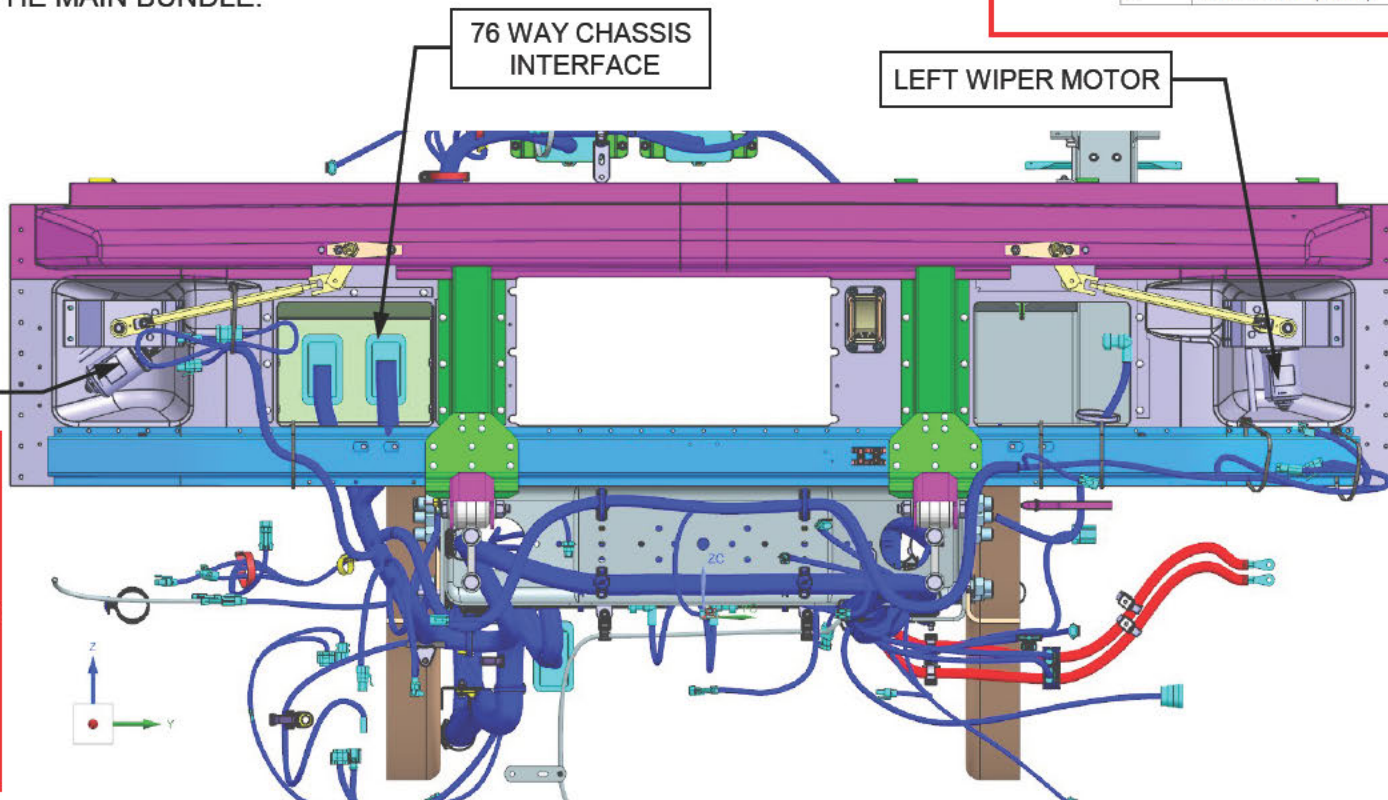
000

RIGHT WIPER MOTOR

76 WAY CHASSIS
INTERFACE

LEFT WIPER MOTOR

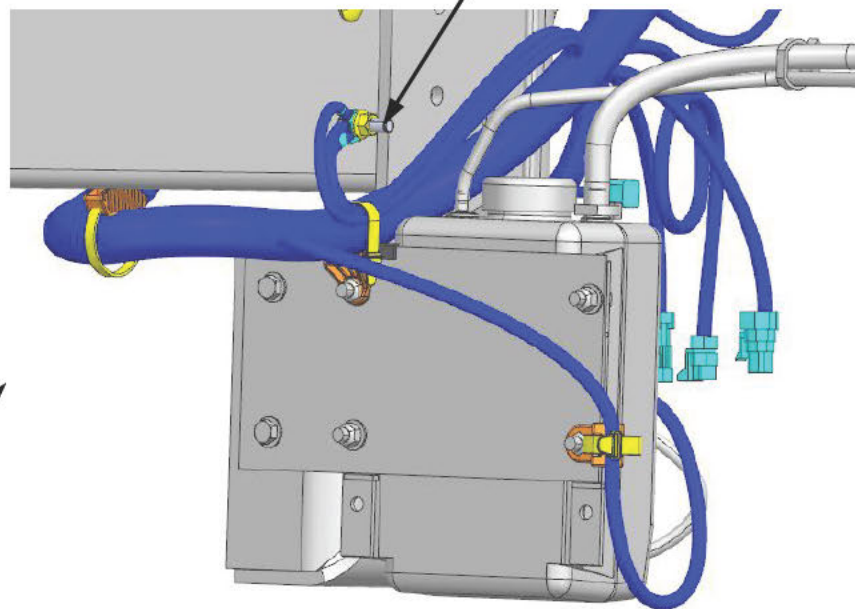
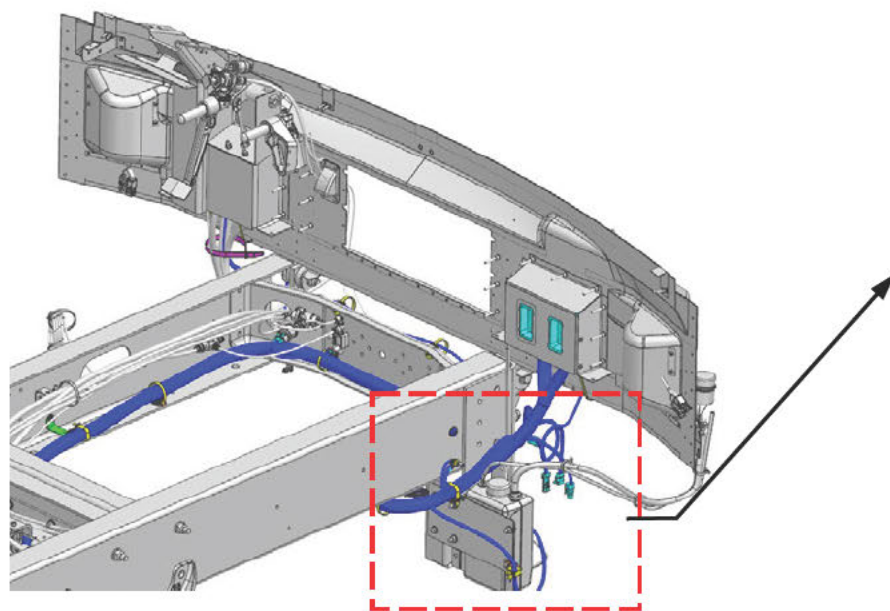
ID:	CHAS_H_RH_WPRMTR
PN:	23-13146-402
SEALED CONNECTOR	
Add on:	24-01805-015
CAV	CIR#
—	—
A	315H* # 2102 (DKBL)
B	315L* # 2102 (DKBL)
C	315D # 2102 (DKBL)
D	315P # 2102 (DKBL)



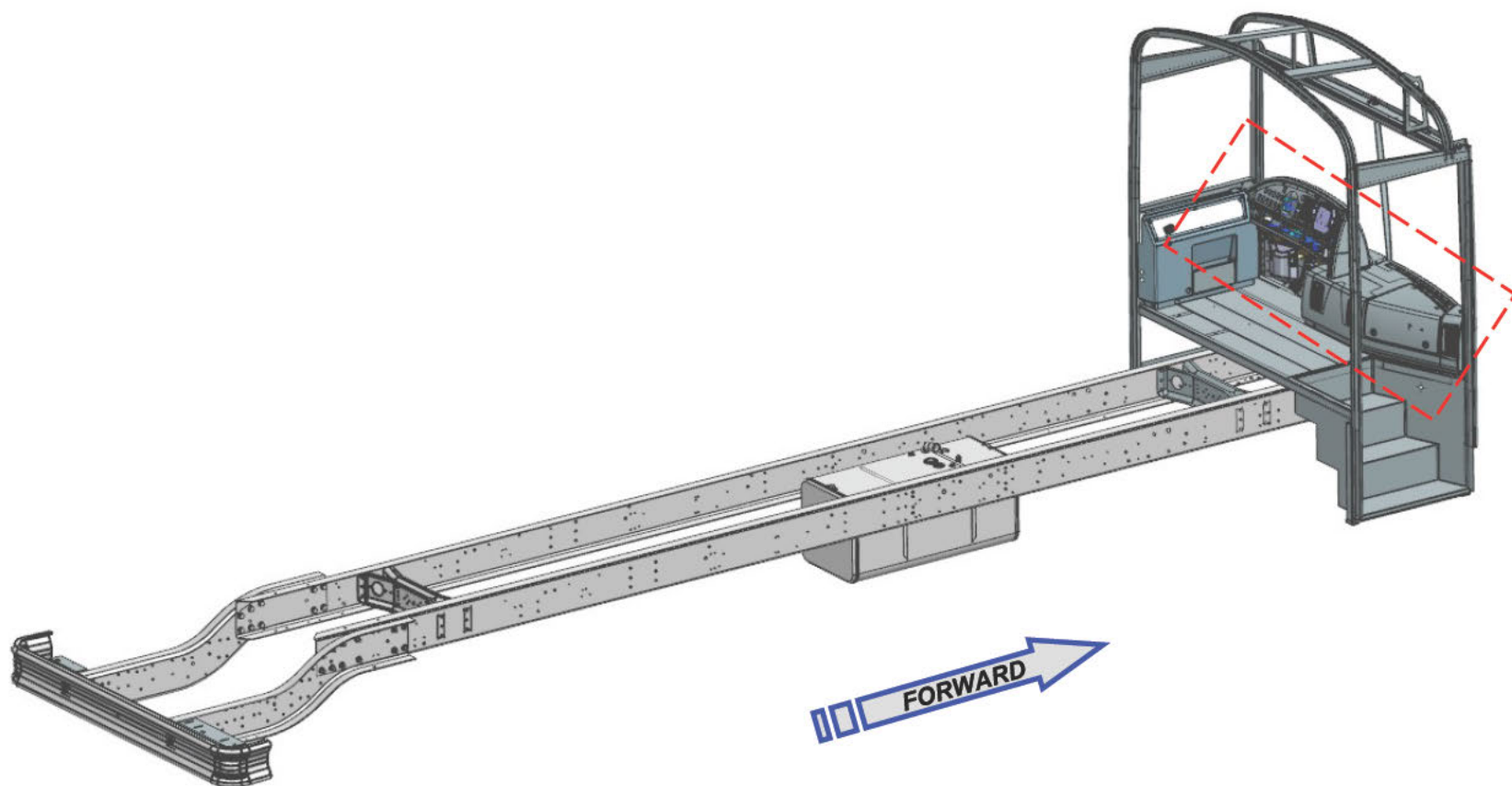
ITEM 001 – 248463

1. TAKE **CHAS_H_DASH_WPR_RLY_GND** RING TERMINAL TO THE EXISTING GROUND STUD AT THE FRONT RIGHT HAND RAIL. USE EXISTING HARDWARE.
2. ZIPTIE THE BREAKOUT HARNESS TO THE MAIN BUNDLE.

ID:	CHAS_H_DASH_WPR_RLY_GND
PN:	23-11194-512
Add on:	24-01805-015
	48-02461-038
CAV	CIR#
—	—
1	GND # 1204 (BK)

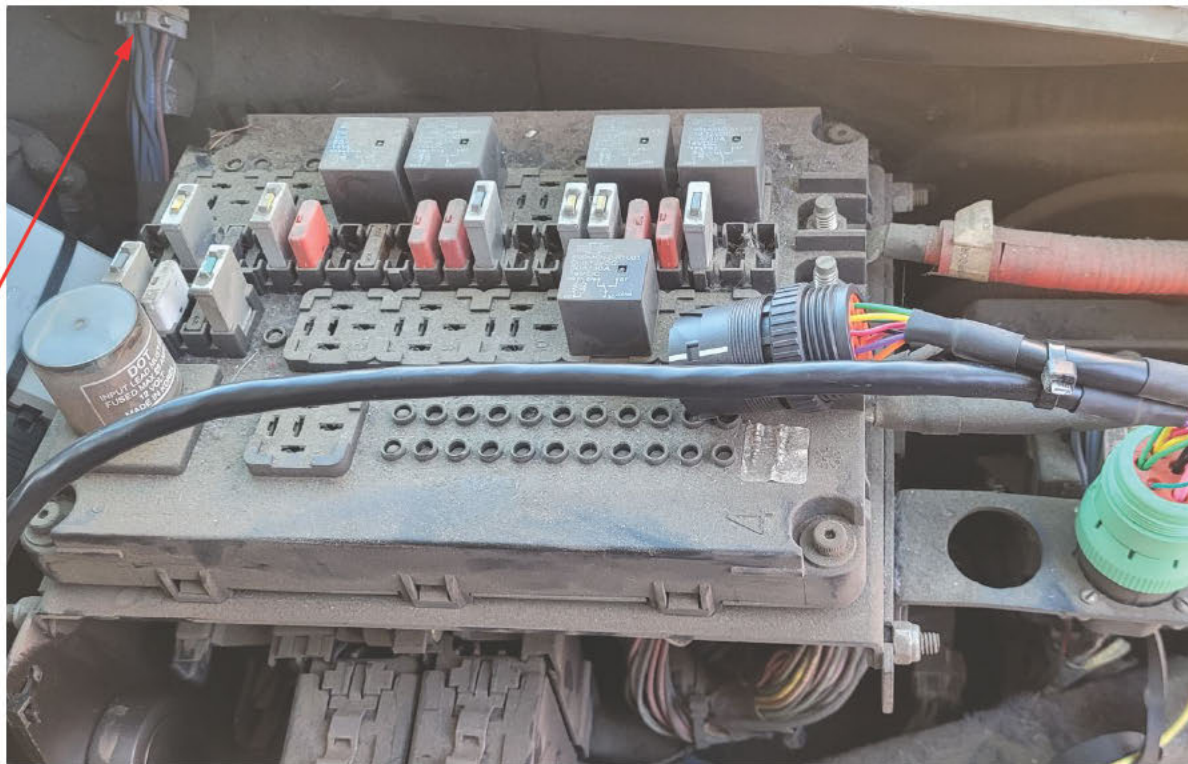
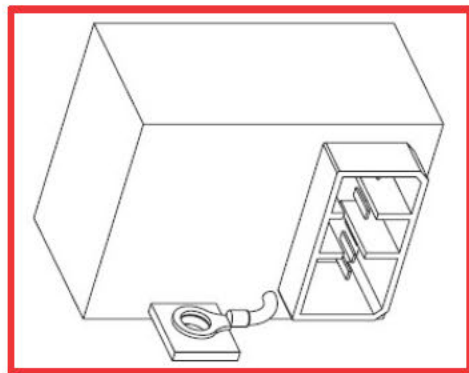


ITEM	TBB PART#	DTNA PART#	DESCRIPTION	USAGE	QTY
G01	249460	G66-39681	WRG-WIPER,SRVC,ISL-G,HDX	ALL	R
000	249462	A66-39682	HARN-WIPER,DASH,SRVC,ISL-G,HDX	ALL	1
001	249463	A66-39683	HARN-WIPER,CHAS,SRVC,ISL-G,HDX	ALL	1
600	248021	TBBN248021	LABEL-PDM,WIPER,RELAY,HDX	ALL	1



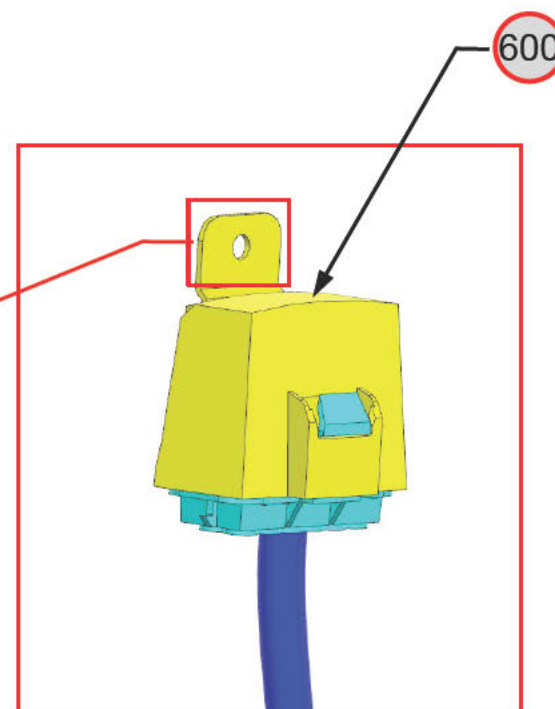
REMOVE WIPER DIODE BLOCK 61201552

1. LOCATE THE WIPER DIODE BLOCK.
2. UNSCREW MOUNTING TAB AND REMOVE IT FROM THE FRONTWALL.
3. DISCONNECT THE HARNESS FROM THE DIODE BLOCK.
4. TIE BREAKOUT HARNESS TO THE MAIN BUNDLE.
5. DISCARD WIPER DIODE BLOCK 61201552.



ADD ITEM 000 - 249462

1. MOUNT **DASH_H_WPR_RLY_HLDR** TO THE PDM BRACKET. USE EXISTING HARDWARE.
2. ADD ITEM 600 TO THE RELAY HOLDER CAP.



ADD ITEM 000 - 249462

1. ON THE HEADLIGHT WIPER MODULE, REMOVE THE EXISTING **DASH_H_HDLP-WPR_P46** CONNECTOR.
2. ON ITEM 000, FIND **DASH_H_HDLP-WPR_P46** AND CONNECT TO THE HEADLIGHT WIPER MODULE.

ID:	DASH_H_HDLP-WPR_P46
PN:	23-13141-009
Add on:	23-13302-040 QTY: 2
	24-01805-015
CAV	CIR#
—	—
A	52J # 1102 (PK)
C	315P # 2102 (DKBL)
F	315K # 2102 (DKBL)
G	320 # 2102 (DKBL)
H	GND # 1204 (BK)
J	315L # 2102 (DKBL)
K	315H # 2102 (DKBL)

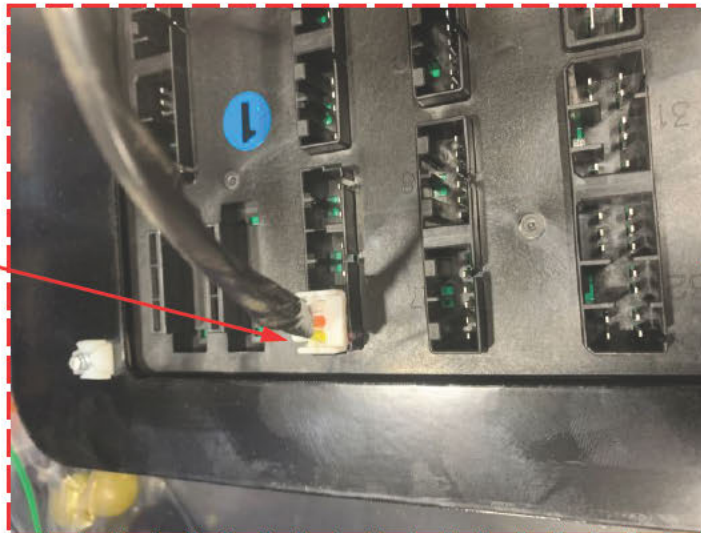


ADD ITEM 000 - 249462

1. LOCATE THE PCB-1 BODY BOARD ON THE SIDE PANEL UNDER THE DRIVER'S WINDOW.
2. REMOVE THE EXISTING CONNECTOR ON PLUG 16.
3. ON ITEM 000, FIND CONNECTOR
DASH_H_WPR_PWR_P16 AND CONNECT TO PLUG 16.



ID:	DASH_H_WPR_PWR_P16
PN:	23-13150-303
Add on:	24-01805-015
CAV	CIR#
—	—
1	52J # 1102 (PK)
2	GND # 1204 (BK)
3	315K # 2102 (DKBL)

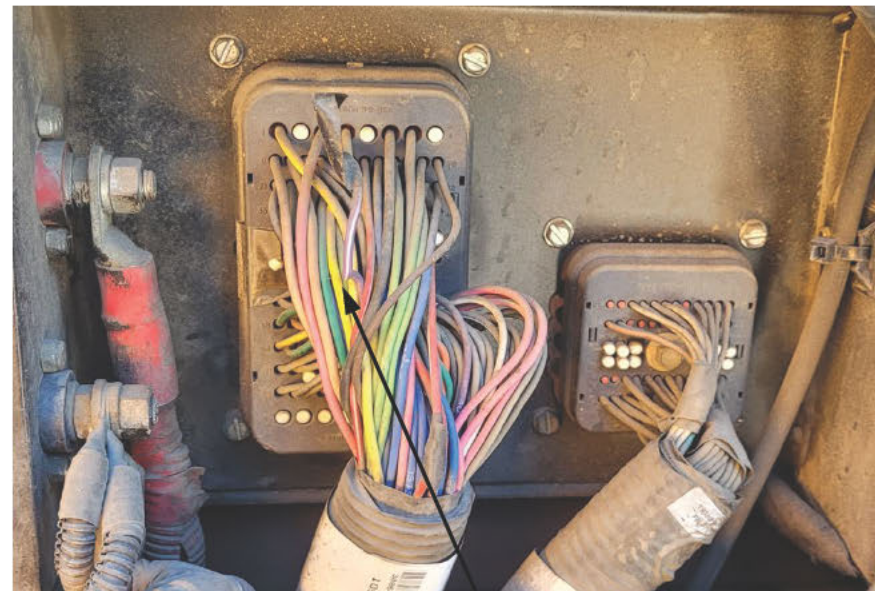


ADD ITEM 000 - 249462

1. ON **DASH_H_FW_J76**, REMOVE THE EXISTING CIRCUITS ON (PIN: 16, 27, 28, 29, 30, 31, 32, 33, 34 & 95). ON ITEM 000, LOCATE THE PROPER CIRCUIT# TO THAT CONNECTOR AND INSERT THE WIRE TERMINALS TO THE PROPER CAVITY.

ADD ITEM 001 - 249463

2. ON **CHAS_H_FW_P76**, REMOVE THE EXISTING CIRCUITS ON (PIN: 27, 28, 29, 30, 31, 32, 33, 34 & 95). ON ITEM 000, LOCATE THE PROPER CIRCUIT# TO THAT CONNECTOR AND INSERT THE WIRE TERMINALS TO THE PROPER CAVITY.



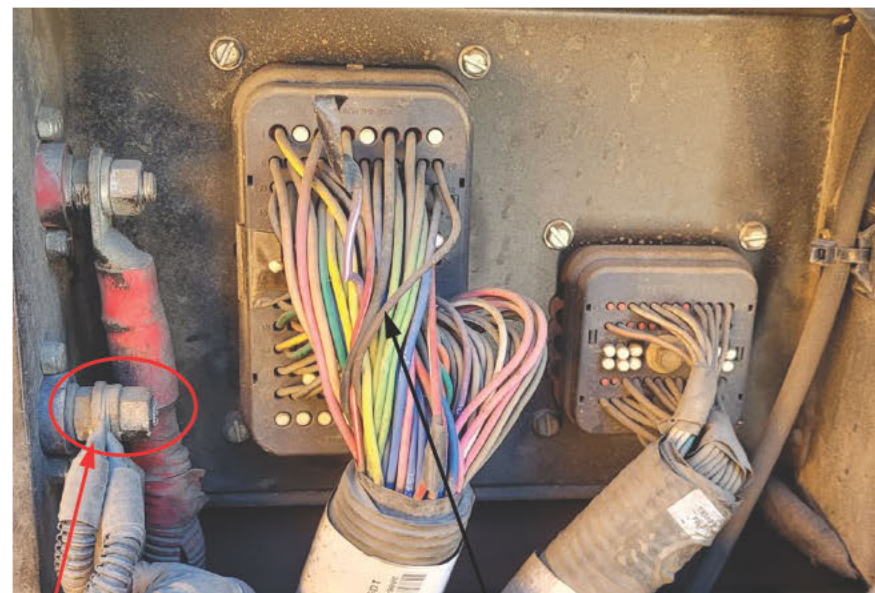
ID:	DASH_H_FW_J76
PN:	A06-42567-008 REF
Add on:	23-13303-032
	23-13303-033
	23-13303-615
CAV	CIR#
—	—
16	320 # 2102 (DKBL)
27	315D # 2102 (DKBL)
28	315P # 2102 (DKBL)
29	315L* # 2102 (DKBL)
30	315H* # 2102 (DKBL)
31	315P # 2102 (DKBL)
32	315D # 2102 (DKBL)
33	315L # 2102 (DKBL)
34	315H # 2102 (DKBL)
95	GND # 1204 (BK)

ID:	CHAS_H_FW_P76
PN:	A06-42567-007 REF
	SEALED CONNECTOR
Add on:	23-13303-034
	23-13303-035
CAV	CIR#
—	—
27	315D # 2102 (DKBL)
28	315P # 2102 (DKBL)
29	315L* # 2102 (DKBL)
30	315H* # 2102 (DKBL)
31	315P # 2102 (DKBL)
32	315D # 2102 (DKBL)
33	315L # 2102 (DKBL)
34	315H # 2102 (DKBL)
95	GND # 1204 (BK)

102 WAY
DASH/CHASSIS INTFC

ADD ITEM 001 - 249463

1. ON ITEM 001, FASTEN **CHAS_H_DASH_WPR_RLY_GND** RING TERMINAL TO THE EXISTING GROUND STUD BY THE 102 WAY. USE EXISTING HARDWARE.



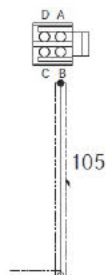
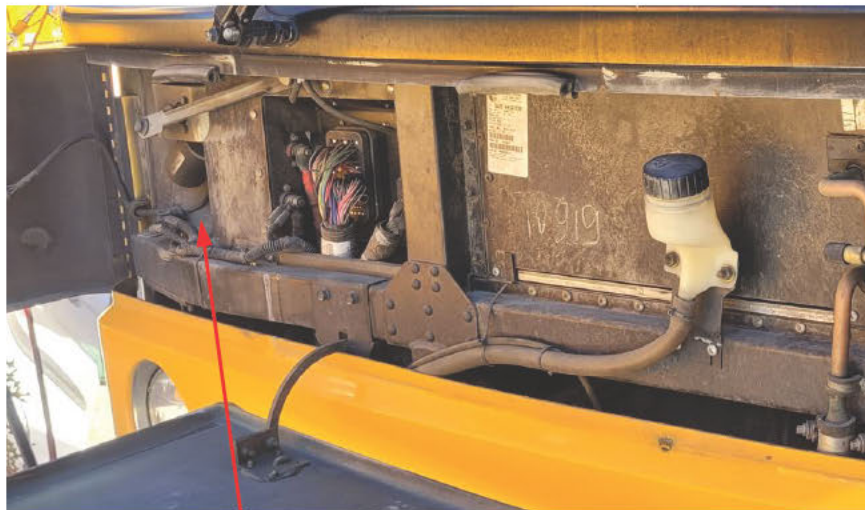
102 WAY
DASH/CHASSIS INTFC

ID:	CHAS_H_DASH_WPR_RLY_GND
PN:	23-11194-512
Add on:	24-01805-015
	48-02461-038
CAV	CIR#
—	—
1	GND # 1204 (BK)

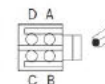


ADD ITEM 001 - 249463

1. REMOVE THE EXISTING CONNECTOR ON THE RIGHT AND LEFT WIPER MOTOR. ON ITEM 001, CONNECT **CHAS_H_RH_WPRMTR_P204** AND **CHAS_H_LH_WPRMTR_P211** TO THE CORRECT SIDE WIPER MOTOR.
2. ZIP TIE HARNESS TO THE MAIN BUNDLE.



ID:	CHAS_H_RH_WPRMTR_P204
PN:	23-13146-402
	SEALED CONNECTOR
Add on:	24-01805-015
CAV	CIR#
—	—
A	315H* # 2102 (DKBL)
B	315L* # 2102 (DKBL)
C	315D # 2102 (DKBL)
D	315P # 2102 (DKBL)



ID:	CHAS_H_LH_WPRMTR_P211
PN:	23-13146-402
	SEALED CONNECTOR
Add on:	24-01805-015
CAV	CIR#
—	—
A	315H # 2102 (DKBL)
B	315L # 2102 (DKBL)
C	315D # 2102 (DKBL)
D	315P # 2102 (DKBL)